

What is claimed is:

1. A method of printing an image with an inkjet printer system, said system comprising a printhead arranged to print swaths of image content parallel to a first axis on a print medium, said swaths having a width in a second axis substantially perpendicular to said first axis, said method comprising the steps of:
  - 10 determining the length of said image in said second axis; and,
  - resizing said image such that said resized length of said image in said second axis is substantially an integer multiple of said swath width.
2. A method according to claim 1, said image having a pre-resized length  $L$  in said second axis, said swath width being  $W$ , said system being arranged to resize said image such that said resized image length is substantially equal to the integer value of  $(L/W)$ .
- 15 3. A method according to claim 1, further comprising the step of scanning said image prior to the step of determining said length of said image in said second axis.
4. A method according to claim 3, further comprising the step of differentiating between said scanned image data and the background of the scanned area and carrying out 20 the steps of determining said length of said image in said second axis and resizing said image in respect of said scanned image data.
5. A method according to claim 1, wherein the resizing step reduces said image by a predetermined proportion.
- 25 6. A method according to claim 5, wherein said image is resized in both said first and second axes.
7. A method according to claim 6, further comprising the steps of estimating the 30 printing time for printing one or more said resized images and estimating the printing time for printing one or more non-resized said images.

8. A method according to claim 7, further comprising the step of outputting said estimated print times to a user and printing said one or more resized images or said one or more non-resized images in dependence upon a user selection.

5 9. A method according to claim 1, wherein the degree to which said image is resized, and the axis in which said image is resized, is selected by the user of said system.

10. A method according to claim 1, wherein said resized image is printed using a one pass, or a two pass, or a three pass, or a four pass printmode.

10

11. A method according to claim 10, wherein said resized image is printed using a bi-directional printmode.

15

12. A method according to claim 10, wherein said resized image is printed using a uni-directional printmode.

13. A method according to claim 1, wherein the steps of determining said length of said image in said second axis and resizing said image are carried out by a processor associated with a printer device associated with said system.

20

14. A method according to claim 1, wherein the steps of determining said length of said image in said second axis and resizing said image are carried out by a processor associated with a host device associated with said system.

25

15. A method of printing an image with an inkjet printer system, said system comprising a printhead arranged to print swaths of image content parallel to a first axis on a print medium, said swaths having a width  $W$  in a second axis substantially perpendicular to said first axis, said method comprising the steps of:

30 determining the length  $L$  of said image in said second axis;

30

determining the number of swaths required to print said image; and,

if said determined number is not an integer number, resizing said image such that said resized image length in said second direction is substantially equal to the integer value of (L/W).

5 16. An inkjet printer system comprising a printhead being arranged to print swaths of image content on a print medium in a first direction, said swaths having a width in a second direction substantially perpendicular to said first direction, said printer system being arranged to resize an image prior to printing such that the dimension of said image in said second direction is substantially an integer multiple of said swath width.

10

17. A system according to claim 16, wherein said image has a length L in said second direction prior to being resized, said swath width is W, said system being arranged to resize said image such that said resized image length is substantially equal to the integer value of (L/W).

15

18. A system according to claim 16, wherein said system comprises an inkjet printer device.

19. A system according to claim 18, further comprising an associated host device, such

20 as a personal computer.

20. A system according to claims 19, wherein said associated host device comprises a printer driver arranged to resize said image.

25 21. A system according to claim 19, wherein said associated host device is arranged to run a software application arranged to resize said image.

22. An inkjet printer system comprising a scanning printhead being arranged to print swaths of image content on a print medium parallel to a first axis, said swaths having a

30 width in a direction substantially perpendicular to said first axis, said system being arranged to resize an image prior to printing such that said length of the printed image

60013023-1

substantially perpendicular to said first axis is substantially an integer multiple of said swath width.

23. An inkjet printer system comprising a scanning printhead being arranged to print 5 swaths of image content on a print medium in a first direction, said swaths having a width in a second direction substantially perpendicular to said first direction, said system being arranged to determine the number of swaths required to print an image and, if said determined number is not an integer, to resize said image such that said resized image may be printed with an integer number of complete swaths.

10

24. An inkjet printer system comprising a printhead arranged to print swaths of image content on a print medium in a first direction, said swaths having a maximum width  $W$  in a second direction substantially perpendicular to said first direction, said system being arranged to print an image having a length  $L$  in said second direction, said system being 15 further arranged to determine the number of maximum width swaths required to print said image, and if said determined number is not an integer number, to resize said image such that said resized image length is substantially equal to the integer value of  $(L/W)$ .

25. A method of printing an image with an inkjet printer system, said system comprising a printhead arranged to print swaths of image content parallel to a first axis on 20 a print medium, said swaths having a width in a second axis substantially perpendicular to said first axis, said method comprising the steps of:

25 determining the length of said image in said second axis;  
cropping said image such that said length of said cropped image in said second axis is substantially an integer multiple of said swath width; and,  
printing said cropped image.

26. A photocopier apparatus comprising, an inkjet printer system, wherein the inkjet printer system comprises, a printhead being arranged to print swaths of image content on a 30 print medium in a first direction, said swaths having a width in a second direction substantially perpendicular to said first direction, said printer system being arranged to  
60013023-1

resize an image prior to printing such that the dimension of said image in said second direction is substantially an integer multiple of said swath width.

27. A photocopier apparatus according to claim 26, wherein said image has an length 5 L in said second direction prior to being resized, said swath width is W, said system being arranged to resize said image such that said resized image length is substantially equal to the integer value of (L/W).

28. A photocopier apparatus according to claim 26, wherein said system comprises an 10 inkjet printer device.

29. A computer readable medium on which is embedded at least one computer program, said program implementing a method of printing an image with an inkjet printer system, wherein said system comprises a printhead arranged to print swaths of image 15 content parallel to a first axis on a print medium, said swaths having a width in a second axis substantially perpendicular to said first axis, said at least one computer program comprising instructions for:  
determining the length of said image in said second axis; and,  
resizing said image such that said resized length of said image in said second axis 20 is substantially an integer multiple of said swath width.

30. The computer readable medium according to claim 29, said at least one computer program further comprising a set of instructions for scanning said image prior to the step of determining said length of said image in said second axis.

25

31. The computer readable medium according to claim 30, said at least one computer program further comprising a set of instructions for differentiating between said scanned image data and the background of the scanned area and carrying out the steps of determining said length of said image in said second axis and resizing said image in 30 respect of said scanned image data.